

# CBRN Escape Respirator

## CBRN APR Escape CWA Concept

### ■ Sarin (GB):

- Vapor Challenge -  $210 \text{ mg/m}^3$
- Breakthrough –  $0.087 \text{ mg/m}^3$  Peak
  - $2.1 \text{ mg} - \text{min/m}^3 \text{ Ct}$
- Time Agent Applied = Respirator Tested Service Time

- Total Test Time = 2 X Respirator Tested Service Time

# CBRN Escape Respirator

## CBRN APR Escape CWA Concept

- Mustard (HD):
  - Vapor Challenge  $50 \text{ mg/m}^3$
  - Liquid Challenge  $0.46 \text{ ml}$
  - Breakthrough –  $0.60 \text{ mg/m}^3$  Peak
    - $6.0 \text{ mg} - \text{min/m}^3 \text{ Ct}$
  - Time Agent Applied = Respirator Tested Service Time
  - Total Test Time = 2 X Respirator Tested Service Time